



[7590-01-P]

NUCLEAR REGULATORY COMMISSION

[Docket No. 50-83; NRC-2008-0295]

University of Florida, Training Reactor

AGENCY: Nuclear Regulatory Commission.

ACTION: License renewal; issuance.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) issued a renewal of Facility Operating License No. R-56, held by the University of Florida (UF or the licensee) for the continued operation of its University of Florida Training Reactor (UFTR or the reactor) for an additional 20 years from the date of issuance.

DATES: The renewed facility operating license No. R-56 is effective on March 31, 2017.

ADDRESSES: Please refer to Docket ID **NRC-2008-0295** when contacting the NRC about the availability of information regarding this document. You may obtain publicly-available information related to this document using any of the following methods:

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2008-0295**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; e-mail: Carol.Gallagher@nrc.gov. For technical questions, contact the individual listed in the FOR FURTHER INFORMATION CONTACT section of this document.

- **NRC's Agencywide Documents Access and Management System (ADAMS):**
You may obtain publicly-available documents online in the ADAMS Public Documents collection

at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “[ADAMS Public Documents](#)” and then select “[Begin Web-based ADAMS Search](#).” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr.resource@nrc.gov. The ADAMS accession number for each document referenced (if it available in ADAMS) is provided the first time that a document is referenced. For the convenience of the reader, the ADAMS accession numbers are provided in a table in the “Availability of Documents” section of this document.

- **NRC’s PDR:** You may examine and purchase copies of public documents at the NRC’s PDR, Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

FOR FURTHER INFORMATION CONTACT: Duane A. Hardesty, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001; telephone: 301-415-3724; e-mail: Duane.Hardesty@nrc.gov.

SUPPLEMENTARY INFORMATION:

I. Discussion

The NRC has issued renewed Facility Operating License No. R-56, held by the licensee, which authorizes continued operation of the UFTR, located in Gainesville, Alachua County, Florida. The UFTR is an Argonaut-type graphite-moderated and reflected light water cooled research reactor licensed to operate at a steady-state power level of 100 kilowatts thermal power. The renewed Facility Operating License No. R-56 will expire 20 years from its date of issuance.

The renewed facility operating license complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission’s rules and

regulations. The Commission has made appropriate findings as required by the Act and the Commission's regulations in chapter I, of title 10 of the *Code of Federal Regulations*, and sets forth those findings in the renewed facility operating license. The agency afforded an opportunity for hearing in the Notice of Opportunity for Hearing published in the *Federal Register* on May 27, 2008 (73 FR 30424). The NRC did not receive a request for a hearing or for a petition for leave to intervene following the notice.

The NRC prepared a safety evaluation report (SER) for the renewal of Facility Operating License No. R-56 and concluded, based on that evaluation, that the licensee can continue to operate the facility without endangering the health and safety of the public. The NRC also prepared an environmental assessment and finding of no significant impact for the renewal of the facility operating license, noticed in the *Federal Register* on September 8, 2010 (75 FR 54657), and concluded that renewal of the facility operating license will not have a significant impact on the quality of the human environment.

II. Availability of Documents

The documents identified in the following table are available to interested persons through ADAMS accession numbers, as indicated.

| Document | ADAMS Accession No. |
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| University of Florida Training Reactor-UFTR Renewal SER | ML102290213 |
| University of Florida Training Reactor - License Application, July 18, 2002 | ML022130145 |
| University of Florida Training Reactor - Relicensing Application Submittal Package with Supporting Documents, July 29, 2002 | ML022130140 |
| University of Florida Safety Analysis Report Supporting License Renewal, July 31, 2002 (redacted version) | ML081340724 |
| University of Florida Test Reactor Safety Analysis Report Change Pages for License Renewal Application, February 25, 2003 (redacted version) | ML102240048 |

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| Startup Report Based On Issuance Of Order Modifying License No. R-56 to Convert from High -To Low – Enriched Uranium Fuel (Amendment No. 26) - University of Florida Training Reactor, April 6, 2009 | ML090990541 |
| Updated License Renewal Application for Conversion from HEU to LEU Fuel - Safety Analysis Report, And Technical Specifications, September 29, 2009 (redacted version) | ML093620300 |
| University of Florida Training Reactor (UFTR) License Renewal-Responses to the USNRC's RAIs , February 26, 2010 | ML100610445 |
| University of Florida, Submittal of Revised Chapter 5 of FSAR in Support of Application for License Renewal., March 26, 2010 | ML100880334 |
| University of Florida Training Reactor (UFTR) License Renewal - Revised Statement of Intent on Decommissioning Funding Assurance, May 3, 2010 | ML101250177 |
| FRN: General Notice. University of Florida, Docket No. 50-083, University of Florida Training Reactor Environmental Assessment and Finding of No. Significant Impact, August 30, 2010 | ML101790239 |
| University of Florida Operator Requalification and Recertification Training Program Plan, August 4, 2011 | ML11229A706 |
| UFTR Responses to Request for Additional Information, December 21, 2012 | ML12361A262 |
| University of Florida, Response to Request for Additional Information (Technical Specifications, Emergency Plan, ALARA plan, and Chapters 4 and 13 of the FSAR), August 30, 2013 (redacted version) | ML16271A533 |
| UFTR Responses to Request for Additional Information, Chapters 2 and 7 of the FSAR, December 12, 2013 | ML13353A174 |
| UFTR Responses to Request for Additional Information; Chapters 1, 3, 5, 6, 8 and 11 of the FSAR, February 18, 2014 | ML14070A061 |
| UFTR Responses to Request for Additional Information; Chapters 9, 10, 12, and 16 of the updated Safety Analysis Report (SAR), April 9, 2014 (redacted version) | ML16271A541 |
| University of Florida, Emergency Plan - Extracted from ML13252A141, August 30, 2014 | ML16200A378 |
| University of Florida - Responses to Request for Additional Information Regarding Financial Information, September 4, 2014 | ML14255A368 |
| UFTR Supplemental Response to Request for Additional Information, updated financial information, March 25, 2015 | ML15112A817 |
| E-mail, D. Cronin (UFTR) to D. Hardesty (NRC), on Pu_Be source, October 3, 2016 | ML16278A737 |
| University of Florida Response to RAIs (ML15336A796 & ML15336A005) & Updated TS, October 31, 2016 | ML16305A354 |

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| E-mail D. Cronin, UFTR to D. Hardesty, NRC; UFTR_ 30-day ORIGIN Files - basis for response to technical RAI No. 7.a.v (for the 30-day calculations) November 7, 2016 | ML16312A224 |
| University of Florida - Responses to Request for Additional Information, Updated FSAR and Technical Specifications, November 30, 2016 (redacted version) | ML17054C281 |
| University of Florida Training Reactor - UFTR Supplemental Information to Support License Renewal Application - Cover Letter, Technical Specifications, and SAR, Redacted version, dated March 6, 2017 | ML17065A267 |
| University of Florida Training Reactor - 83-UFTR LRA Supplement Cover Letter, TSs, and SAR Ch. 4_Redacted version, March 24, 2017 | ML17084A000 |
| University of Florida Regarding Issuance of Renewed Facility Operating License No. R-56 for The University of Florida Training Reactor (TAC No. ME1586) March 31, 2017 | ML102500048 |

Dated at Rockville, Maryland, this 31st day of March 2017.

For The Nuclear Regulatory Commission

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Office of Nuclear Reactor Regulation

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